



Multi Purpose Rifle System

NDIA-Small Arms Systems

Alon Guttel

Deputy Vice President R&D

Israel Military Industries Ltd(IMI)

Tel:+972-3-5485650

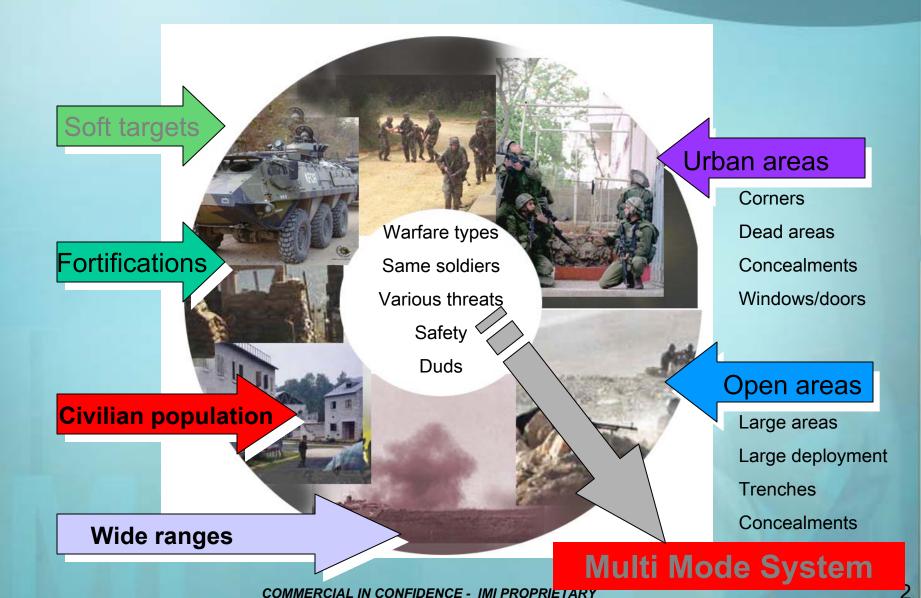
Mob:+972-52-3678522

E-mail:aguttel@imi-israel.com



ISRAEL MILITARY INDUSTRIES LTD.





OPERATIONAL NEED



- Improve individual soldier and squad performance in the modern battlefield
 - Lethality
 - Sustainability
 - Mobility
 - Survivability





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MPRS- Multi-Purpose Rifle System is a powerful force multiplier for the infantry soldier and the future warrior, especially for urban warfare



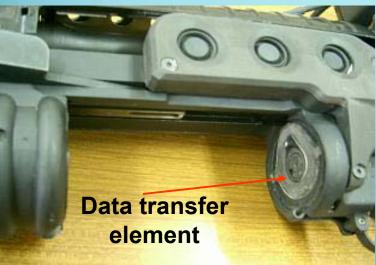


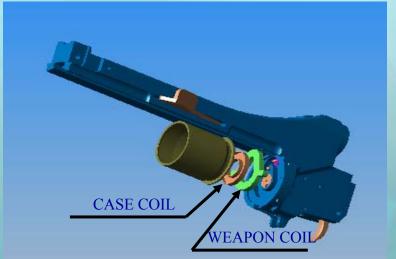
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M4 ASSAULT RIFLE & 40 mm UBGL(M203)











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- Aim point computation
- Mode selection and fuzing
- Data output interface



- Reflex Rifle Sight red dot aiming, enables aiming with both eyes open
- Eye-safe laser pointer (IR or visible)
- Laser rangefinder 1-m accuracy up to 600-m
- Fire Control System
- Rifle Grenade Sight FCS coupled dynamic aiming point
- Compass

MPRS SIN

Operated at night integrally with soldier's night vision device



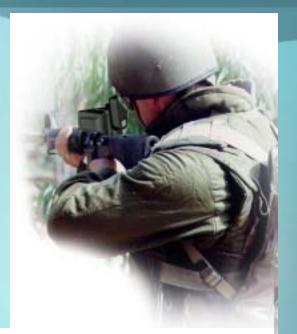
MPRS - Multi-Purpose Rifle System (LOS/BLOS)



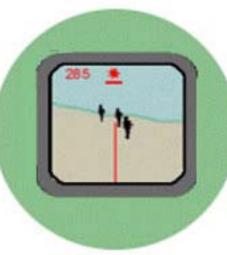
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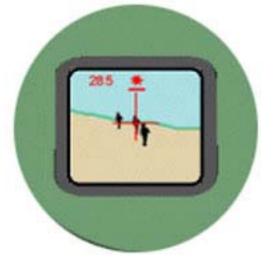
SYSTEM OPERATION

- Operation with 5.56 ammunition unchanged
 - Mode selection
 - Ranging
 - Data Transfer
 - Aim
 - Fire











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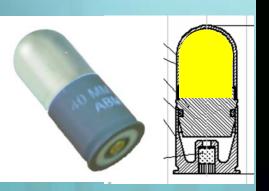


Ammunition:

- LOS and BLOS capability to 250-350 m' (up to 600m).
- Unique Air-Burst munition (rifle grenade or 40mm grenade).
- High lethality fragmentation warhead optimized against infantry targets, based on electronic fuse.
- Operation modes:

Air-burst/point detonation/time delay/self destruct







ADVANCED RIFLE
GRENADE

CLOSED



OPEN





ENEMY IN OPEN AREA - AB

- Finding range
- + Aiming point
- Explosion point





DEFILADE THREAT - AB

Enemy behind rocks

- Finding range
- + Aiming point
- Explosion point





AROUND THE CORNER - AB

- Finding range
- + Aiming point

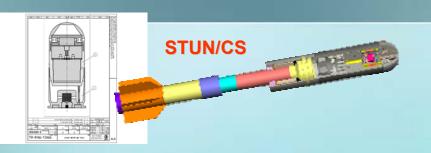




MPRS - Rifle-Launched NL/LTL (RL-NL)



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DESCRIPTION:

Non-Lethal / Less Than Lethal family of

munitions launched from the Multi Purpose

Rifle System:



- Based on the IMI rifle grenade and its capabilities.
- Warhead consists of STUN/CS materials replacing the explosive charge.
- Operates 2 meters above target.

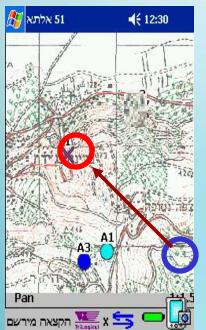




MPRS - C4l Future Infantry Warrior



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DESCRIPTION:

C4I capabilities achieved by using the Multi Purpose Rifle System as an engagement device.

- Integrated system of systems approach provides network capabilities at the squad level.
- Data link from the sight to the body system/the command and control system. Feed and transfer data to mission computer (R.F./cable).

MPRS - Around The Corner



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 Around the corner capability using digital camera to transfer images to the Head Mounted Display/ Hand Held Digital Display









Rifle-Launched Reconnaissance Grenade (RL-RG)

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DESCRIPTION:

- Provides the warrior with common intelligence information up to 600m ahead and beyond concealed areas.
 - Contains Integrated ICCD camera with transmitter.
 - The information is transmitted backwards and displayed on the users hand held digital display with I.D on the digital map.



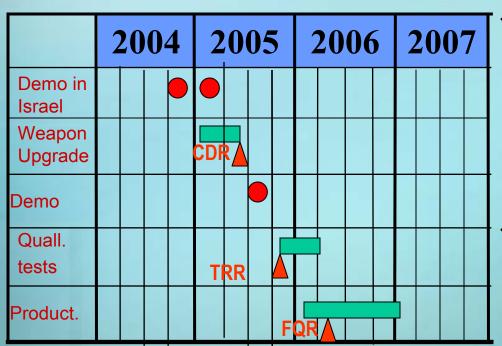


MPRS-Status



IMI is ready to cooperate with any company

Work plan:



- Demo phase:
 - Base on past demonstration
 - Upgrade the local assault rifle
 - > Full demo in customer's country
- Finish of FSD phase:
 - Conclude at Quall tests at the end of 2005
 - ➤ In parallel, integration of the MPRS as part of the C4I

The demo/tests included all MPRS capabilities.

Battalion Training in March 2005.

MPRS was tested by the IDF during the Urban

